

U.S. Department of Energy Grand Junction Office Atlas Stakeholders Group Meeting



March 15, 2002



Moab Site Project **Schedule Summary**

Planned 2001	Task	Current Status (3/15/02)
Late summer/fall	DOE convenes National Academy of Sciences panel to conduct study	Completed
September 30	DOE completes draft preliminary <i>Plan for Remediation</i>	Completed 10/31/01
October 1	National Academy of Sciences begins review of <i>Plan for Remediation</i>	Ongoing; began 10/31/01
October	Complete transfer of title for Moab Site to DOE	Completed 10/25/01
October	NRC terminates Trustee license	Completed



Moab Site Project **Schedule Summary**

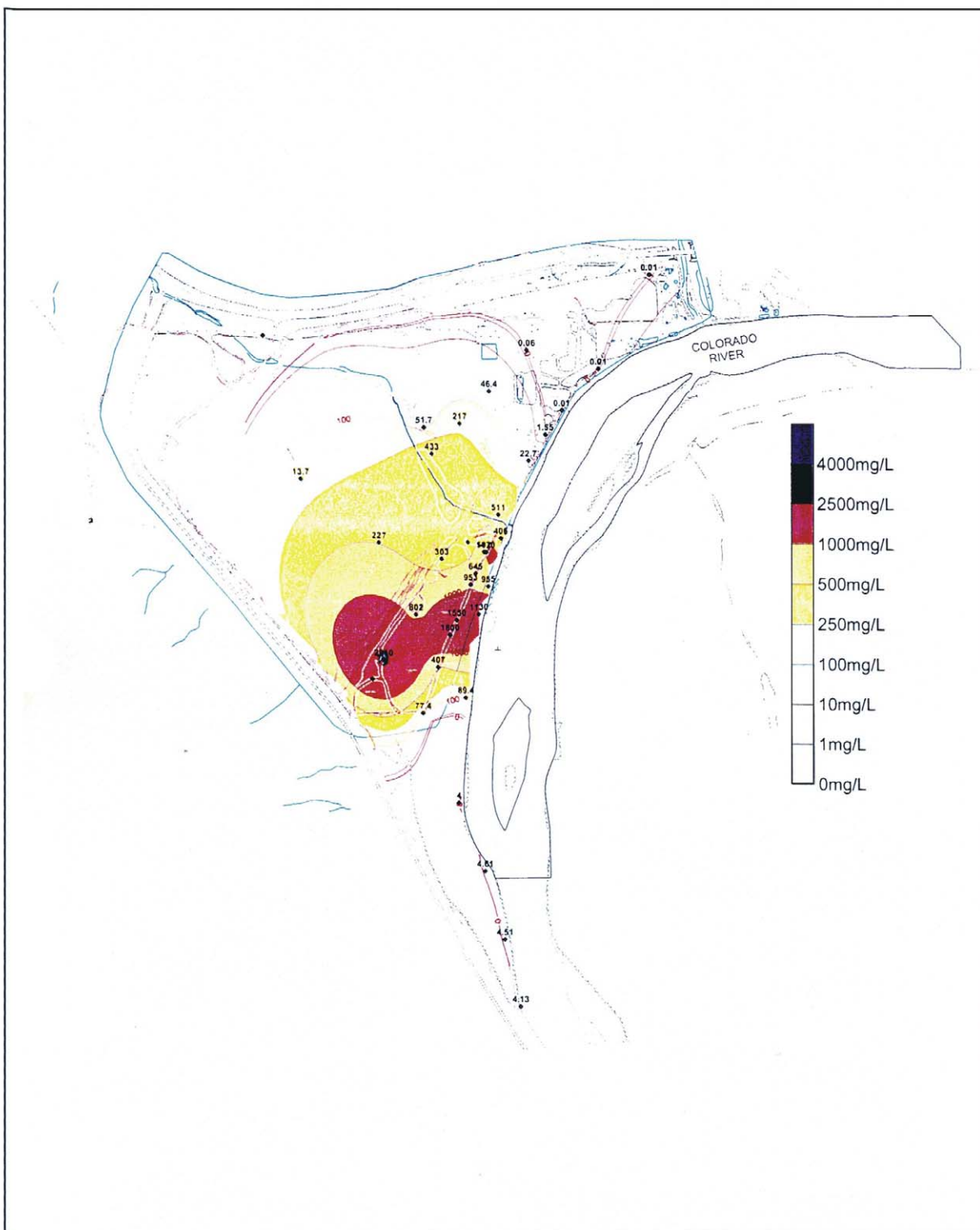
Planned 2002	Task	Current Status (3/15/02)
March 31	National Academy of Sciences completes study with independent evaluation of remediation alternatives	Ongoing; expected completion late June
May 31	DOE reports to Congress if Academy recommendations differ from proposed DOE <i>Plan for Remediation</i>	Estimate end of 2002
Ongoing	Other project activities	Ongoing; update today

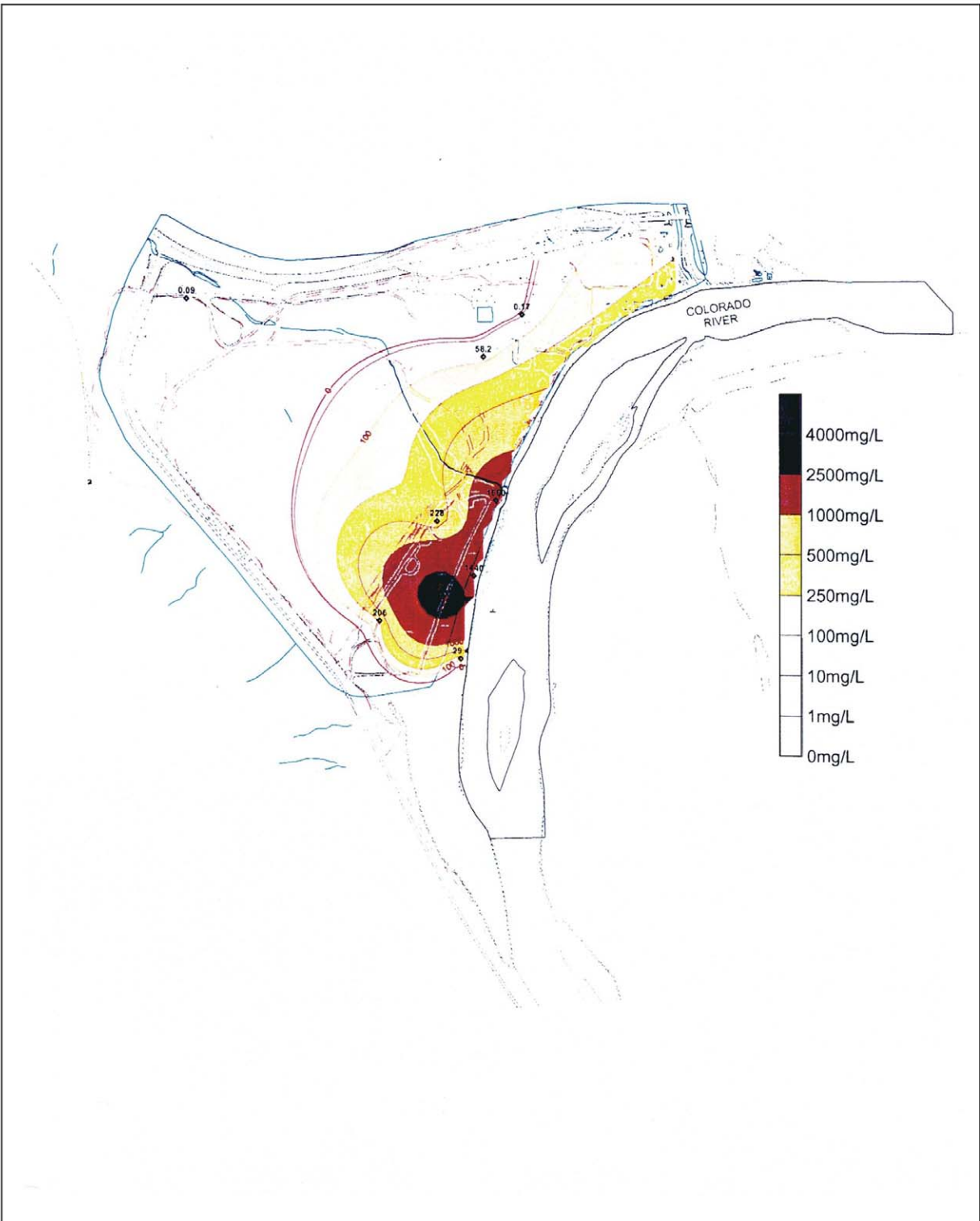


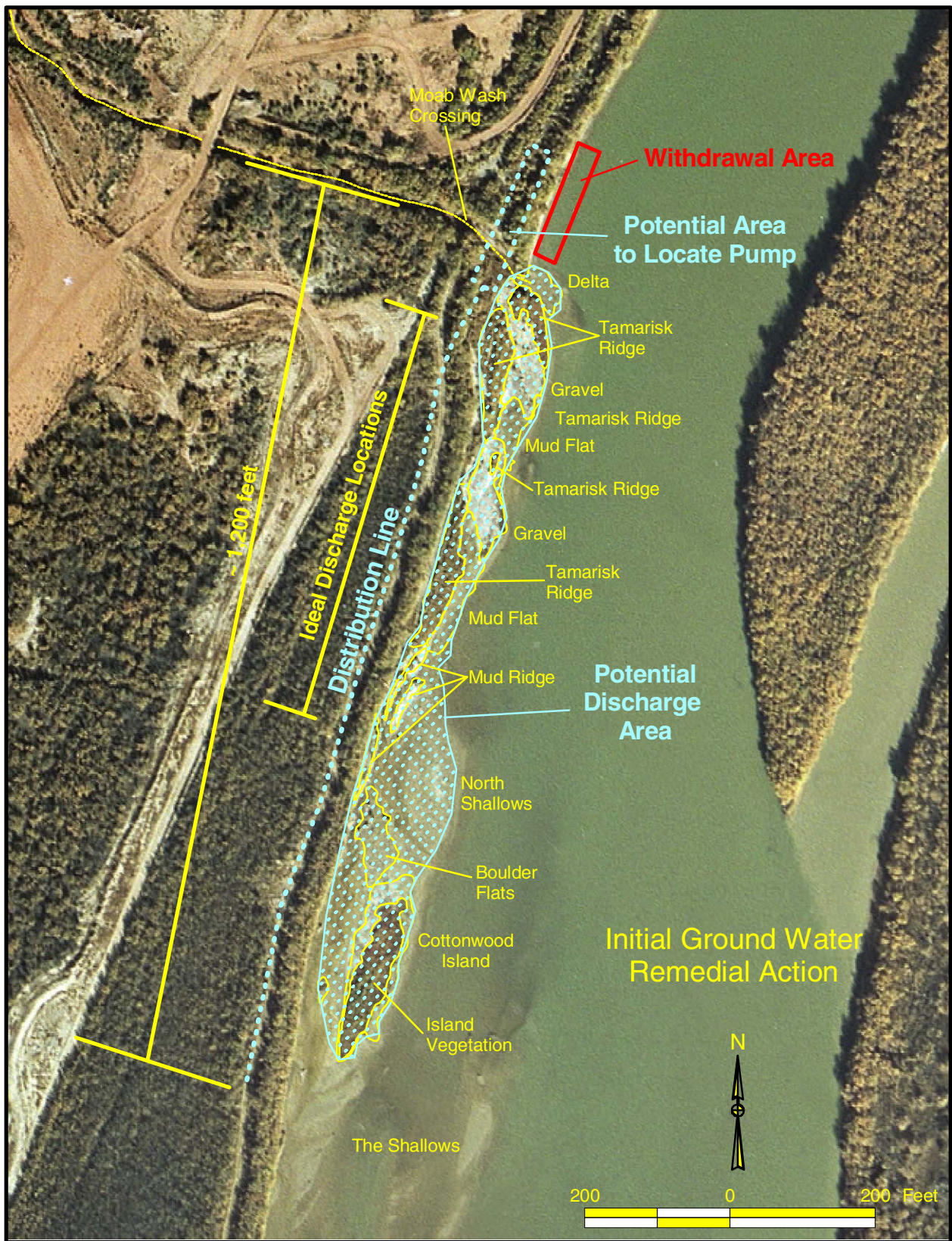
Activities Completed to Date

- **Finalized conceptual initial groundwater remedial action**
 - **Informal consultation with U.S. Fish and Wildlife Service in progress**
 - **Pipe clean river water to reduce ammonia concentrations in backwater areas that are considered critical habitat starting in June after spring runoff recedes**









Activities Completed to Date

(continued)

- **Developed conceptual plan for interim groundwater remedial action**
 - Installing 6 to 10 wells to pump up to 30 gallons per minute from center of ammonia plume into lined evaporation pond
- **Established radiological controls for site**
 - New signs posted on fence
 - New access point next to trailers

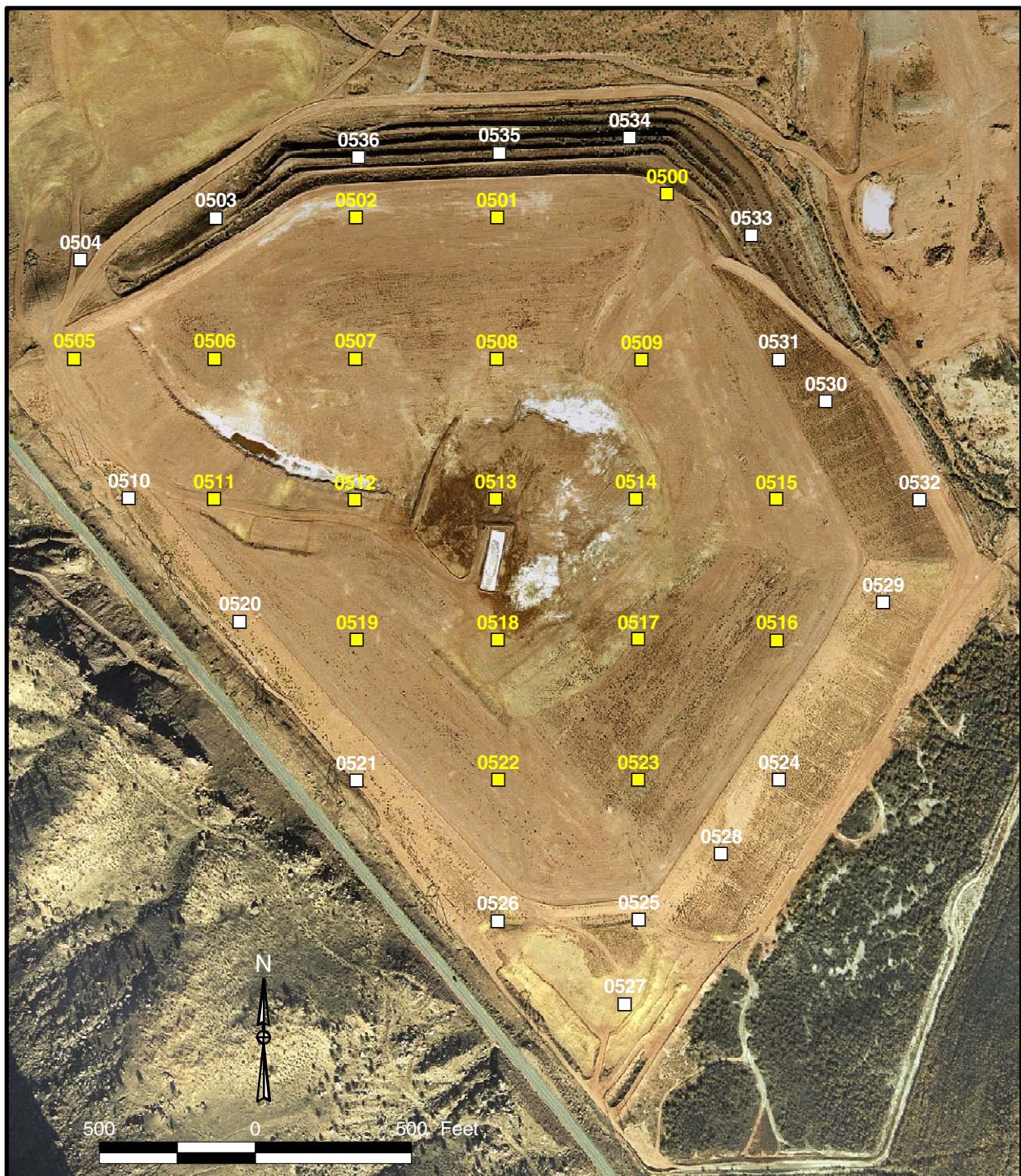


Activities Completed to Date

(continued)

- **Inventoried on-site laboratory chemicals to ensure safe storage during analysis of disposal options**
- **Developed lined bermed area to store used oils**
- **Established Dust Control Strategy**
 - **Sprayed dust suppressant on roads, tailings pile, and remainder of site**
 - **Continue to spray water as needed**
- **Characterized radioactivity levels in cover materials that vary from 0 to 15 feet thick; low levels of radium-226 present**





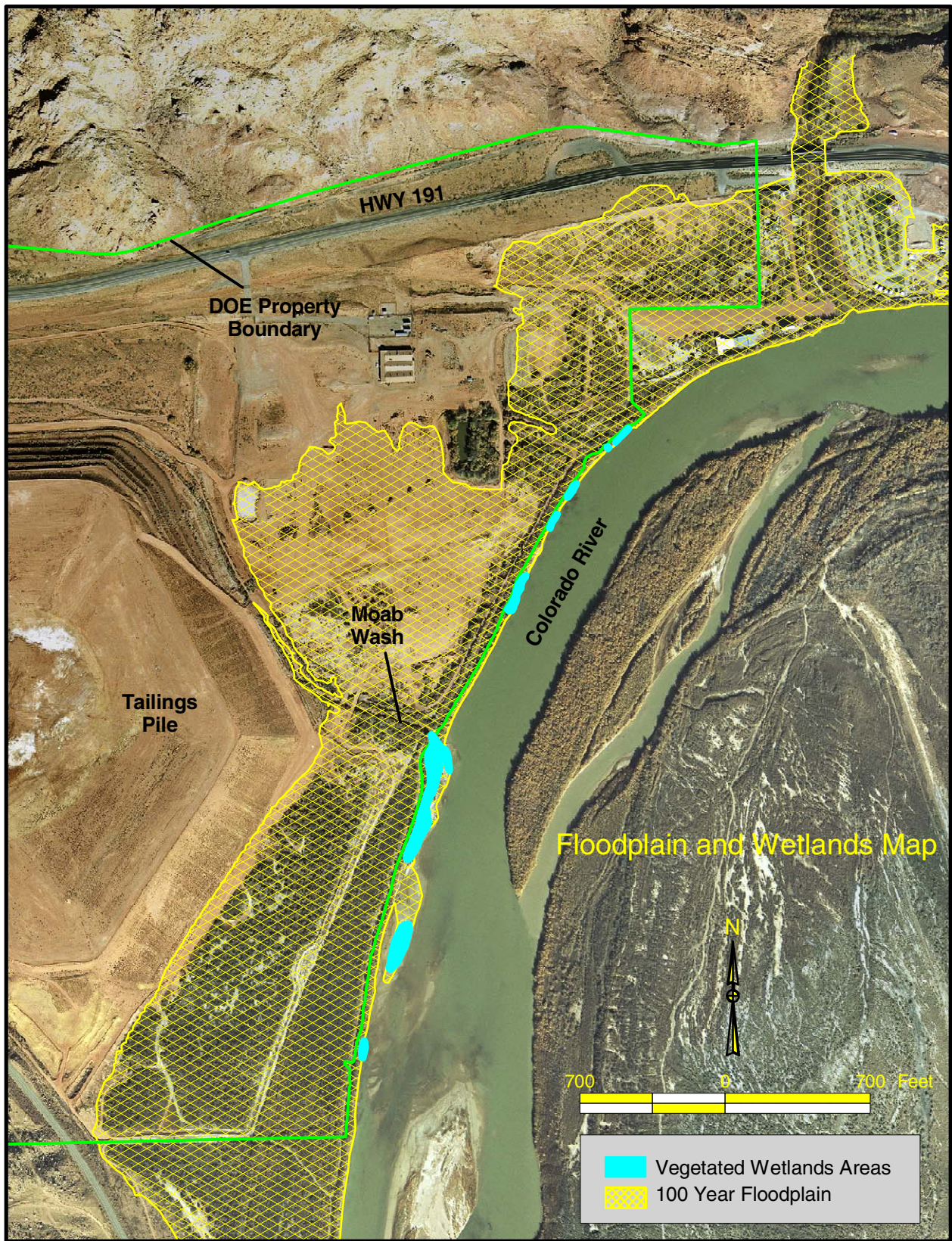
- Top of Cover Borehole Location
- Side Slope Borehole Location

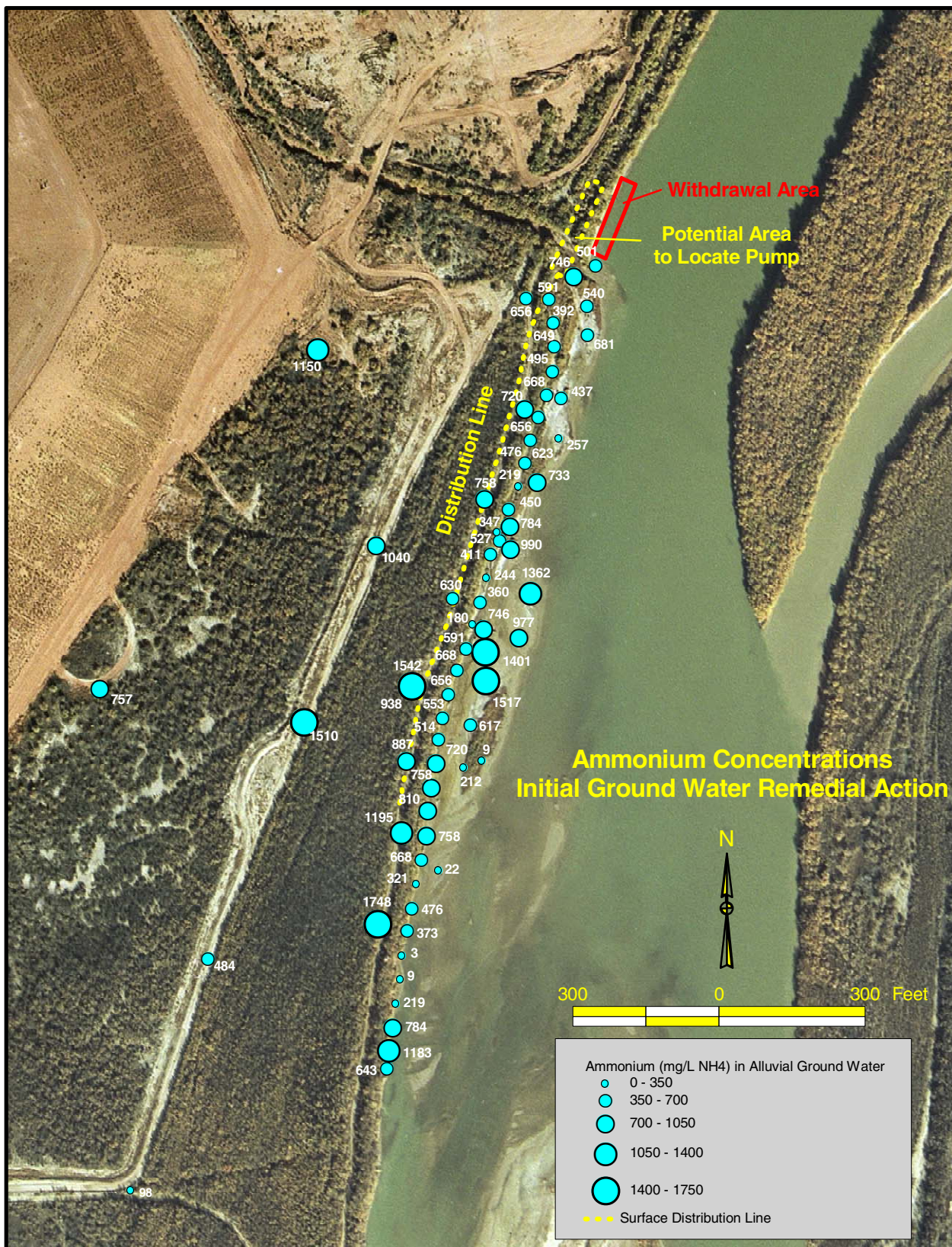
Radiological Assessment of Cover Borehole Locations

Activities Completed to Date (continued)

- **Delineated wetland areas and 100-year floodplain on site; wetlands also exist below bank areas of Colorado River**
- **Completed study of ammonia concentrations in groundwater in sandbar areas and prepared report**
 - **Results used to focus location for initial groundwater remedial action**
 - **Report distributed to stakeholder groundwater subcommittee**
 - **Study confirmed presence and extent of elevated levels of ammonia**



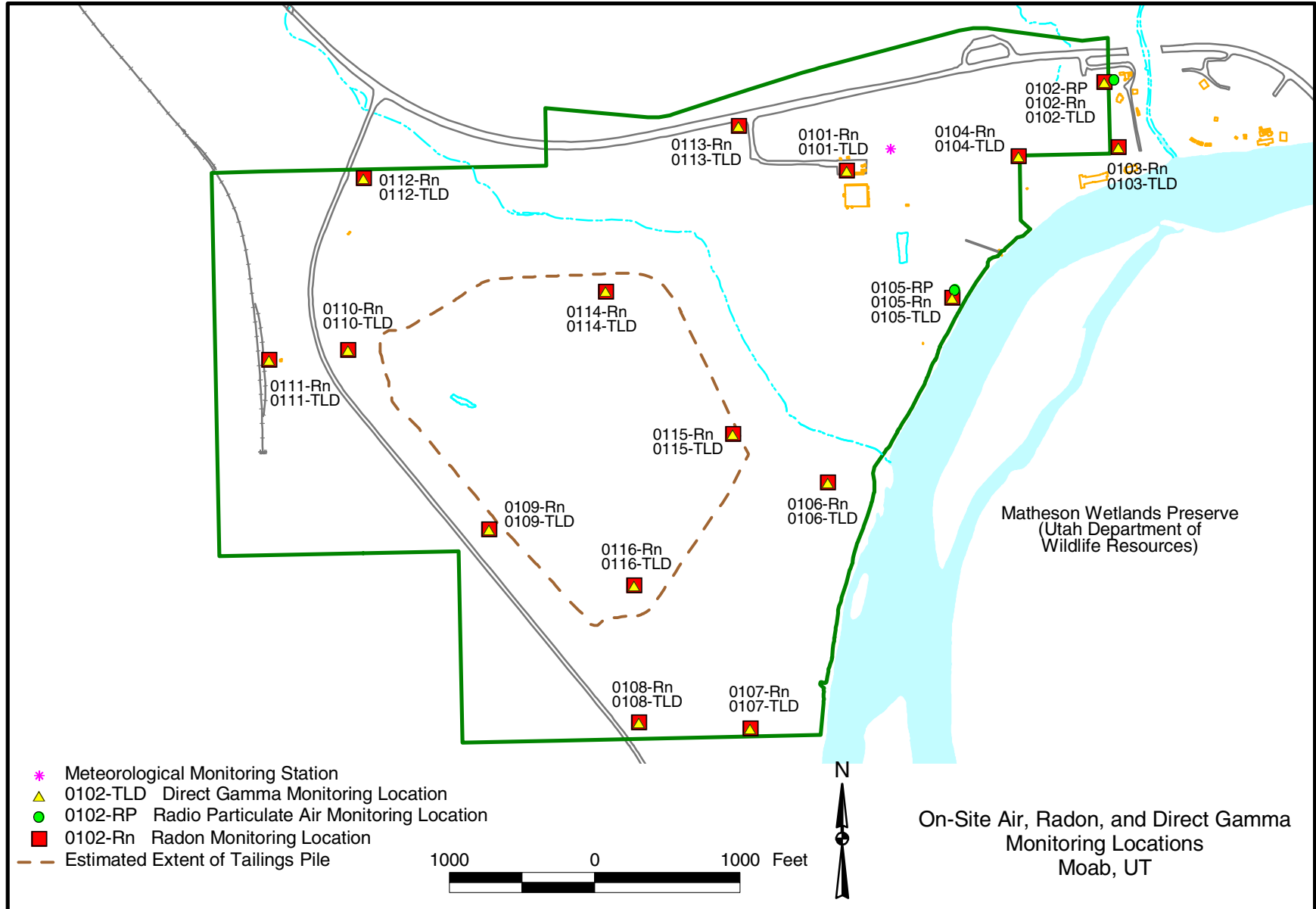


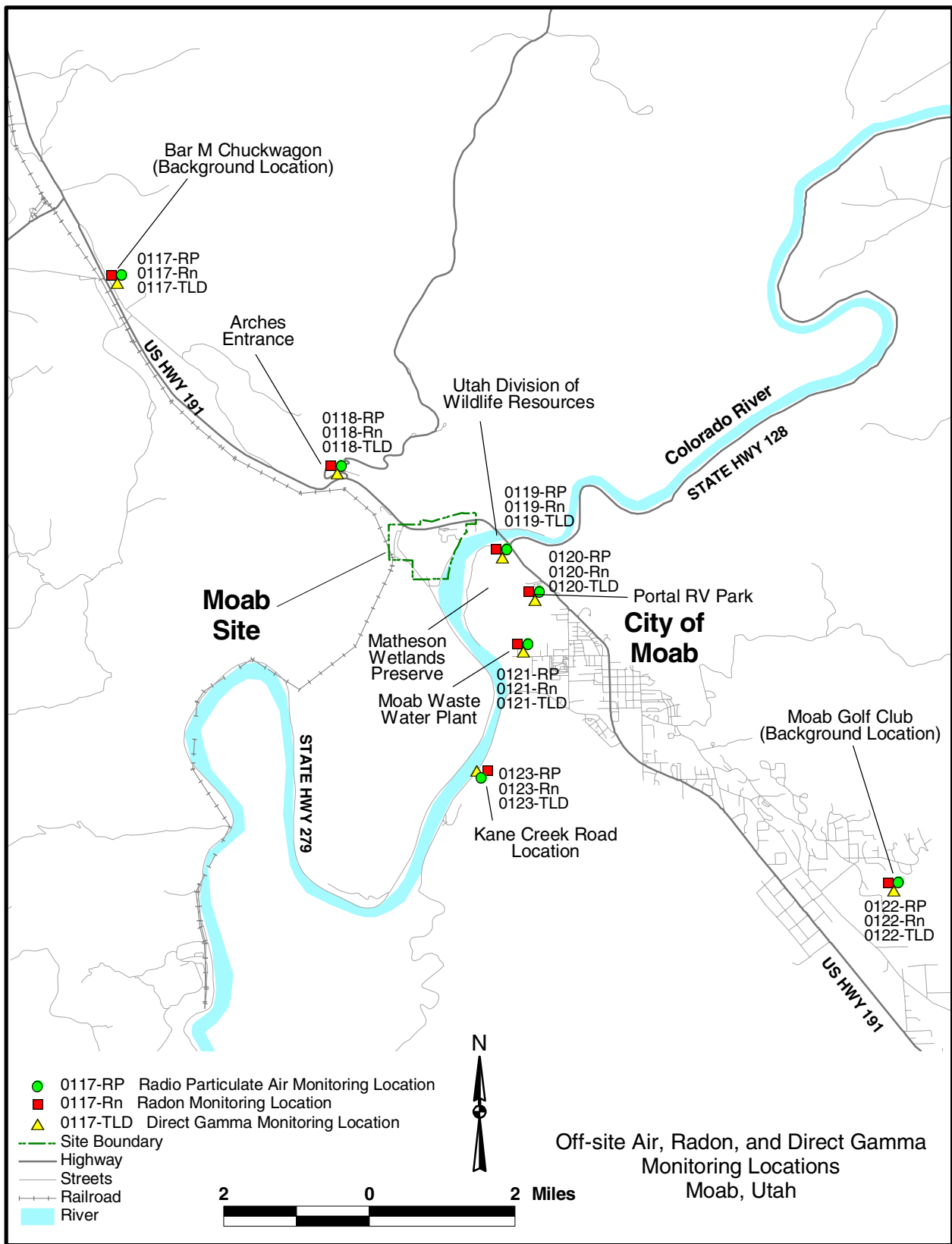


Activities Completed to Date (continued)

- Lined pond on top of pile for wick dewatering system
 - Monitoring dewatering flows and settlement of pile
 - Measured 15,000 gallons in first week of measurement
- Completed *Air Sampling and Monitoring Plan*
 - 16 on-site stations
 - 7 off-site stations (2 existing, remainder being installed this month)







Scope To Be Completed This Fiscal Year

- Implement initial groundwater remedial action
- Develop *Site Waste Management Plan*
- Design interim groundwater remedial action
- Collect more information to complete *Plan for Remediation*

Southwest toe of tailings pile



Process for Receiving Proposals for Remediation of Millsite

- **Advertised in FEDBIZOPS (Internet website)**
- **Consider proposals in evaluating different alternatives for final remediation determination**
- **Expect to competitively bid subcontract for remediation of millsite**



Plan for Remediation Schedule

- National Academy of Sciences performing technical evaluation; will not recommend a preferred alternative
- National Academy of Sciences report due to DOE in June
- Final *Plan for Remediation* will recommend to cap-in-place or relocate to a generic site
- Final *Plan for Remediation* will be delivered to DOE–HQ by September 30
- If relocation selected, further evaluation will be performed in FY 2003 for final site selection



Information To Be Obtained for *Plan for Remediation*

- Use sensitivity analysis to evaluate Sheperd Miller, Inc. and U.S. Nuclear Regulatory Commission groundwater models
 - Results will be used to define data gaps and to develop a DOE site conceptual model
- Research potential for migration of Colorado River
- Characterize tailings subpile for extent of radiological and metals contamination
- Evaluate erosional effects of Moab Wash on tailings pile
- Conduct a review of available geologic information for Klondike Flats



Information To Be Obtained for *Plan for Remediation* (continued)

- Install background (bedrock) wells to determine recharge of aquifer
- Conduct human health and ecological baseline risk assessments
- Refine cost estimates; consider other transportation methods



Site Funding

FY 2002 Scope

- Conduct radiological assessment of 50% of site
- Prepare final *Plan for Remediation*
- Bring site into conformance with applicable regulations
- Control dust and other emissions
- Implement initial groundwater remedial action
- Complete design of interim groundwater remedial action



Site Funding (continued)

FY 2003 Scope

- **Maintain site; control emissions**
- **Initiate interim groundwater remedial action**
- **Continue initial groundwater remedial action**



Site Funding (continued)

**Tasks that may not be completed in FY 2003
due to current funding constraints**

- **Initiation of interim groundwater remedial action**
- **Preparation of required NEPA documentation**
- **Completion of radiological assessment of site**

